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a block field defining a block size;
a length field defining a number of blocks in a segment of memory; and
an address pointing into the segment of memory to the base address of a memory region within the segment, all portions of the memory segment not within the memory region having addresses less than the address in the pointer to a location in memory.

38. (New) A method of representing data in a data processing system comprising:
defining a block size in a pointer to a location in memory;
defining in the pointer to a location in memory a number of blocks in a segment of memory; and
defining in the pointer to a location in memory an address pointing into the segment of memory to the base address of a memory region within the segment, all portions of the memory segment not within the memory region having addresses less than the address in the pointer to a location in memory.
39. (New) A computer program product comprising:
a computer usable medium for storing data; and
a set of computer program instructions embodied on the computer usable medium, including a pointer to a location in memory, the pointer comprising:
a block field defining a block size;
a length field defining a number of blocks in a segment of memory; and
an address pointing into the segment of memory to the base address of a memory region within the segment, all portions of the memory segment not within the memory region having addresses less than the address in the pointer to a location in memory.

40. (New) A computer data signal comprising a pointer to a location in memory, the pointer comprising:

a block field defining a block size;

a length field defining a number of blocks in a segment of memory; and

an address pointing into the segment of memory to the base address of a memory region within the segment, all portions of the memory segment not within the memory region having addresses less than the address in the pointer to a location in memory.

Respectfully submitted,

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